Micron Ref Nos.: 00-920 Docket No.: M4065.0413/P413

ABSTRACT

[0098] A scalable engine having multiple datapaths, each of which is a unique multi-function floating point pipeline capable of performing a four component dot product on data in a single pass through the datapath, which allows matrix transformations to be computed in an efficient manner, with a high data throughput and without substantially increasing the cost and amount of hardware required to implement the pipeline.

5